- 63. An isolated antibody which specifically binds to a polypeptide selected from the group consisting of:
 - a) a polypeptide comprising an amino acid sequence of SEQ ID NO:1-9,
 - b) a polypeptide comprising a naturally occurring amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1-9, said naturally occurring amino acid sequence having protein kinase activity, and
 - c) an immunogenic fragment of a polypeptide having an amino acid sequence of SEQ ID NO:1-9.
- 64. The antibody of claim 63 which specifically binds to a polypeptide comprising an amino acid sequence of SEQ ID NO:1-9.
- 65. The antibody of claim 63 which specifically binds to a polypeptide comprising a naturally-occurring amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1-9, said naturally occurring amino acid sequence having protein kinase activity.
- 66. A diagnostic test for a condition or disease associated with the expression of PKH in a biological sample, the method comprising:
 - a) combining the biological sample with an antibody of claim 63, under conditions suitable for the antibody to bind the polypeptide and form an antibody:polypeptide complex, and
 - b) detecting the complex, wherein the presence of the complex correlates with the presence of the polypeptide in the biological sample.
 - 67. The antibody of claim 63, wherein the antibody is:
 - a) a chimeric antibody,
 - b) a single chain antibody,
 - c) a Fab fragment,

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- d) a F(ab')₂ fragment, or
- e) a humanized antibody.
- 68. A composition comprising an antibody of claim 63 and an acceptable excipient.
- 69. A method of diagnosing a condition or disease associated with the expression of PKH in a subject, comprising administering to said subject an effective amount of the composition of claim 68.
 - 70. A composition of claim 68, wherein the antibody is labeled.
- 71. A method of diagnosing a condition or disease associated with the expression of PKH in a subject, comprising administering to said subject an effective amount of the composition of claim 70.
- 72. A method of preparing a polyclonal antibody with the specificity of the antibody of claim 63, the method comprising:
 - a) immunizing an animal with a polypeptide having an amino acid sequence of SEQ
 ID NO:1-9 or an immunogenic fragment thereof, under conditions to elicit an antibody response,
 - b) isolating antibodies from said animal, and
 - c) screening the isolated antibodies with the polypeptide, thereby identifying a polyclonal antibody which binds specifically to a polypeptide having an amino acid sequence of SEQ ID NO:1-9.
 - 73. A polyclonal antibody produced by a method of claim 72.
- 74. A composition comprising the polyclonal antibody of claim 73 and a suitable carrier.

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- 75. A method of making a monoclonal antibody with the specificity of the antibody of claim 63, the method comprising:
 - immunizing an animal with a polypeptide having the amino acid sequence of SEQ
 ID NO:1-9 or an immunogenic fragment thereof, under conditions to elicit an antibody response,
 - b) isolating antibody producing cells from the animal,
 - c) screening the isolated antibodies with the polypeptide, thereby identifying a monoclonal antibody which binds specifically to a polypeptide having an amino acid sequence of SEQ ID NO:1-9.
 - 76. A monoclonal antibody produced by a method of claim 75.
- 77. A composition comprising the monoclonal antibody of claim 76 and a suitable carrier.
- 78. The antibody of claim 63, wherein the antibody is produced by screening a Fab expression library.
- 79. The antibody of claim 63, wherein the antibody is produced by screening a recombinant immunoglobulin library.
- 80. A method of detecting a polypeptide having an amino acid sequence of SEQ ID NO:1-9 in a sample, the method comprising:
 - a) incubating the antibody of claim 63 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and
 - b) detecting specific binding, wherein specific binding indicates the presence of a polypeptide having an amino acid sequence of SEQ ID NO:1-9 in the sample.
- 81. A method of purifying a polypeptide having an amino acid sequence of SEQ ID NO:1-9 from a sample, the method comprising:

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a) incubating the antibody of claim 63 with a sample under conditions to allow specific binding of the antibody and the polypeptide, and

b) separating the antibody from the sample and obtaining the purified polypeptide having an amino acid sequence of SEQ ID NO:1-9.

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